

APPENDIX C

Planting Specifications

PLANTING PITS:

DIG OUTWARD & DOWNWARD SO THAT WATER WILL NOT COLLECT BELOW ROOT BALL. SCARIFY SIDES & WATER IN AT TIME OF PLANTING.

ROOT BALLS:

RETAIN ROOT BALL INTACT W/ AS LITTLE DISTURBANCE OF ROOTS AS POSSIBLE UNTIL PLANTING IS COMPLETED.

PLASTIC LOCK-TIE TREE TIES (TYP.)

2" Ø ROUND X 8' LENGTH LODGE POLE PINE STAKES BY BVC (OR APPROVED EQ.) 2 PER TREE (TYP.)

MIN. 2" OF MULCH (PER SPECS.)

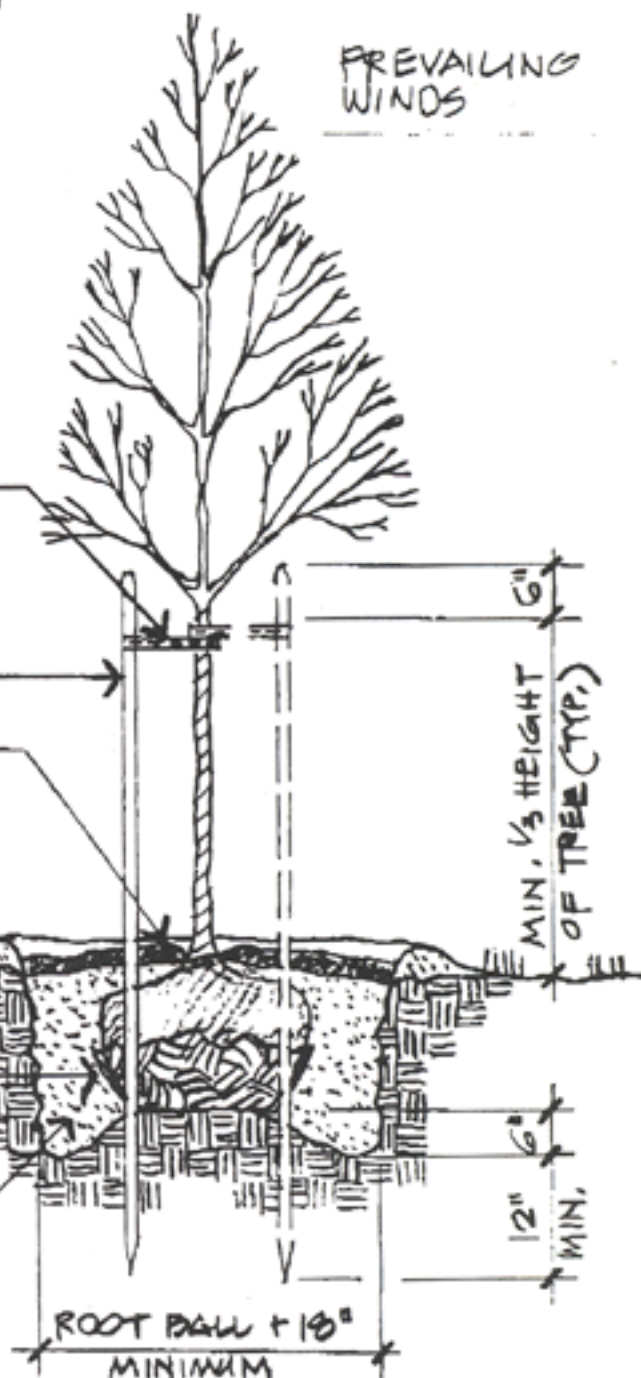
SOIL SAUCER 3"-4" FOR WATERING DURING ESTABLISHMENT PERIOD

FINISH GRADE

REMOVE BURLAP, TWINE, WIRE BASKET OR WRAPPING FROM TOP 1/2 OF ROOT BALL

BACKFILL WITH A MIXTURE OF NATIVE SOIL & SOIL AMENDMENTS (PER SPECS.)

ELEVATION



1

B & B TREE PLANTING/STAKING

NO SCALE (2 STAKES FOR 2 1/2" CAL. OR SMALLER)
(1 STAKE FOR 1 1/2" CAL. OR SMALLER)

BARE ROOT PLANTING PROCEDURE

AFTER LINING PLANTING PIT WITH SOIL AND CREATING CONE OF SOIL, PLACE PLANTS ROOTS EVENLY OVER CONE AND BACKFILL WITH SOIL MIXTURE. WATER IN THOROUGHLY TO MAKE SOIL THAT NO AIR POCKETS EXIST. PLUMB MAIN LEADER & COMPACT SOIL WITH FOOT, ASSURE PROPER GRADE & INSTALL STAKES & MULCH. WATER PLANT THOROUGHLY.

PLASTIC LOCK-TIE
TREE TIES (TYP.)

2" Ø ROUND X 8' LENGTH
LODGEPOLE PINE STAKES
BY BVC (OR APPROVED EQ.)
2 PER TREE (TYP.)

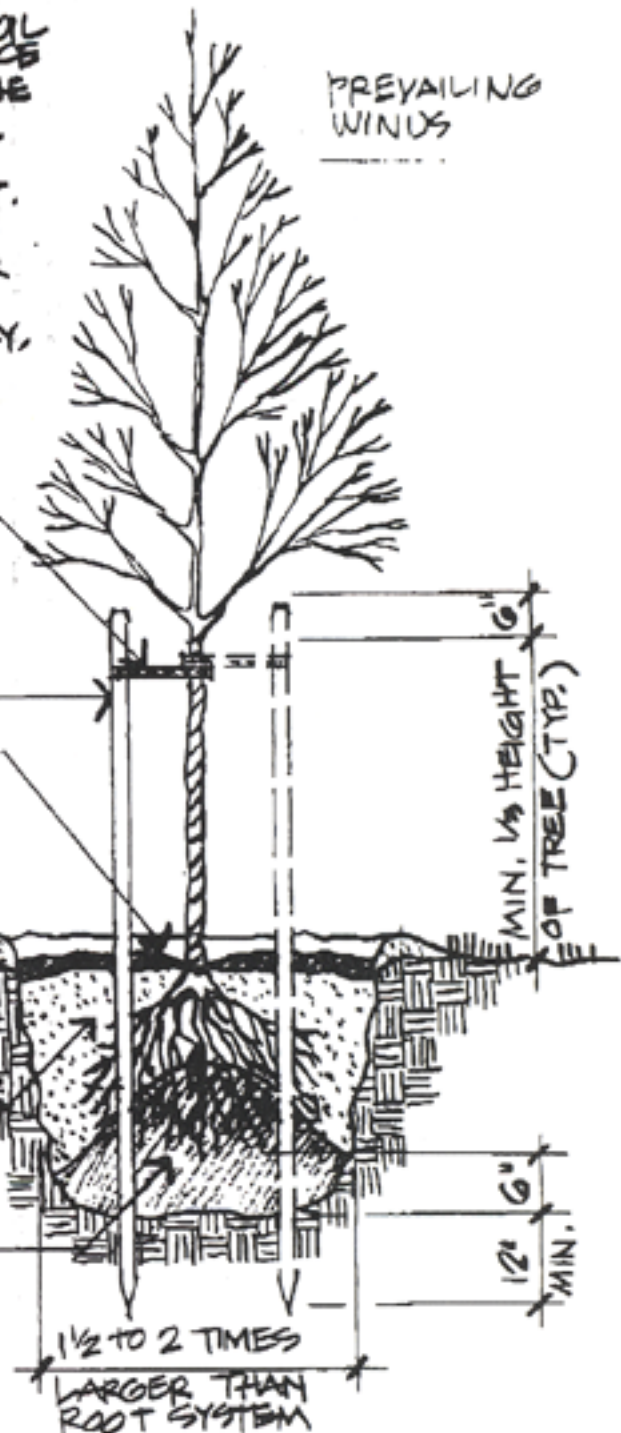
MIN. 2" OF MULCH (SEE SPECS.)

3'-4" SOIL SAUCER FOR
WATERING DURING ESTAB-
LISHMENT PERIOD
FINISH GRADE

BACKFILL WITH A MIXTURE
OF NATIVE SOIL & SOIL
AMENDMENTS (PER SPECS.)

CREATE CONE WITH LOOSENEED
NATIVE SOIL. AMEND CLAY
WITH ORGANIC MATERIAL.

ELEVATION

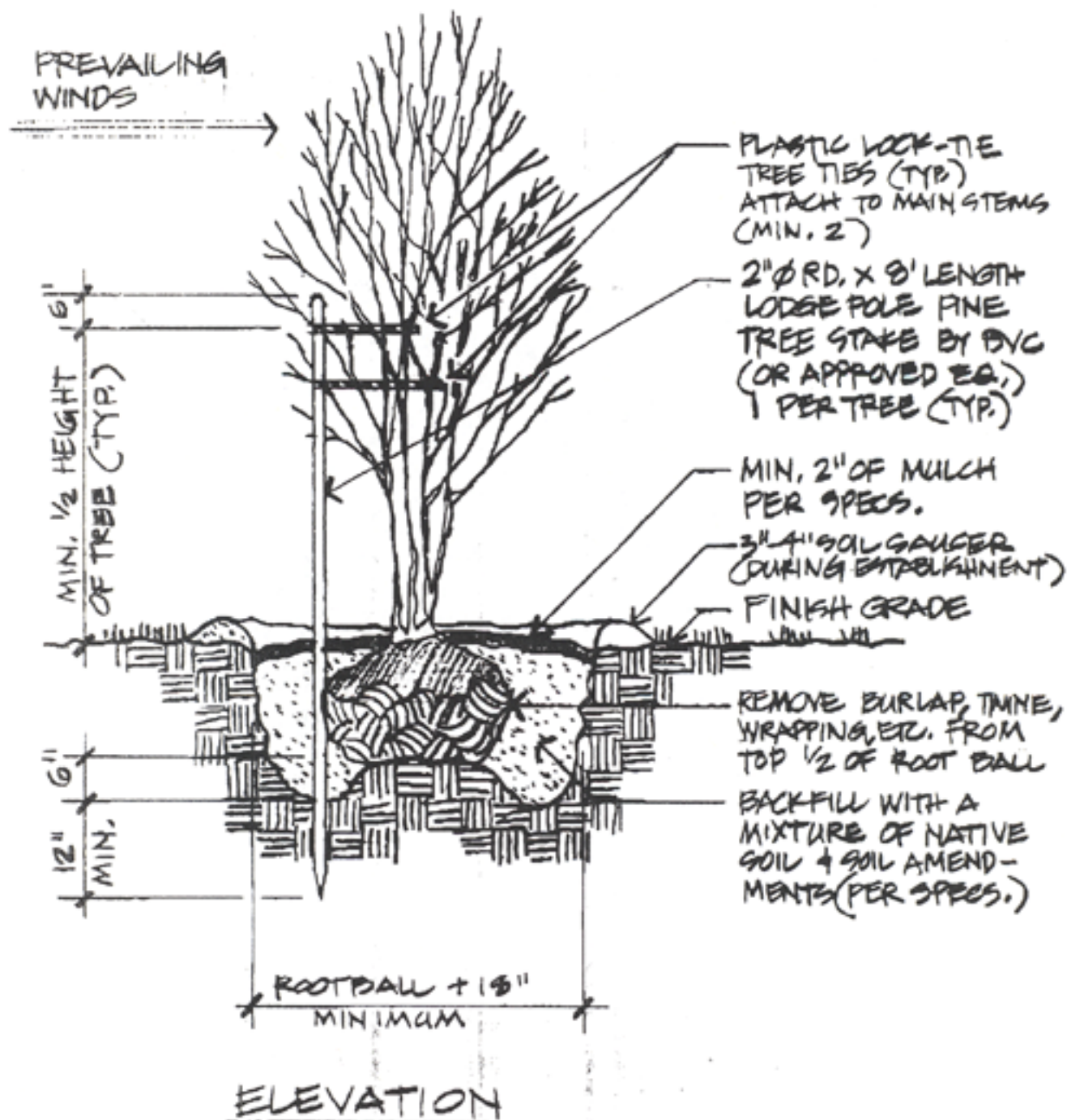


2

BARE ROOT TREE PLANTING/STAKING

NO SCALE

(2" CAL. OR SMALLER)

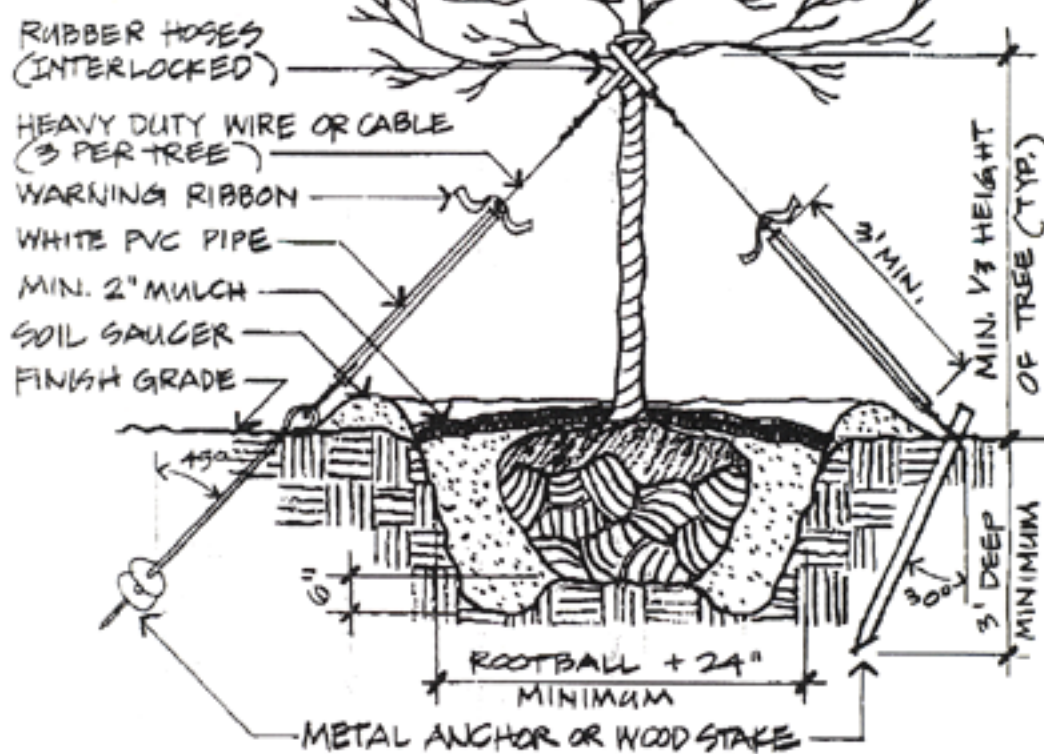
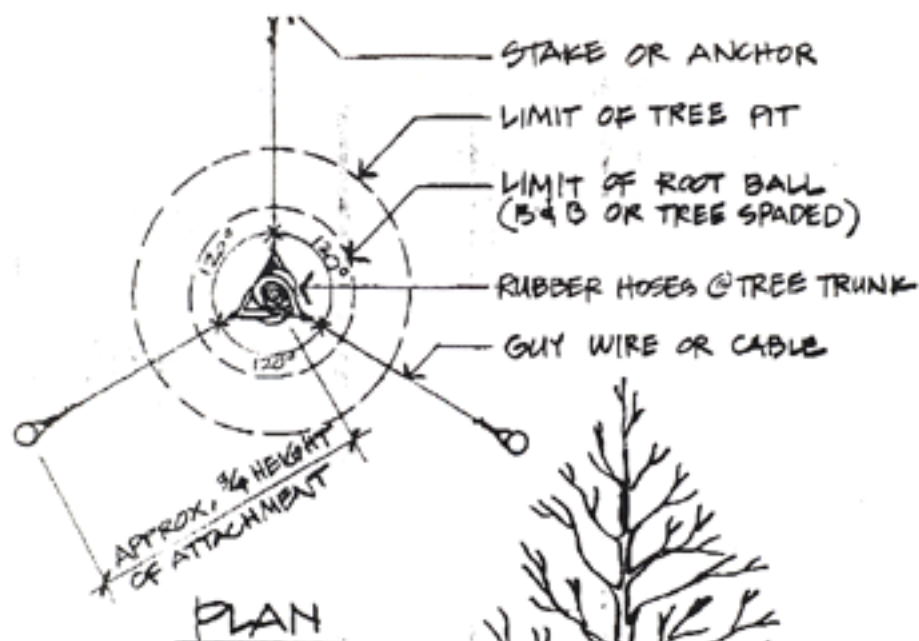


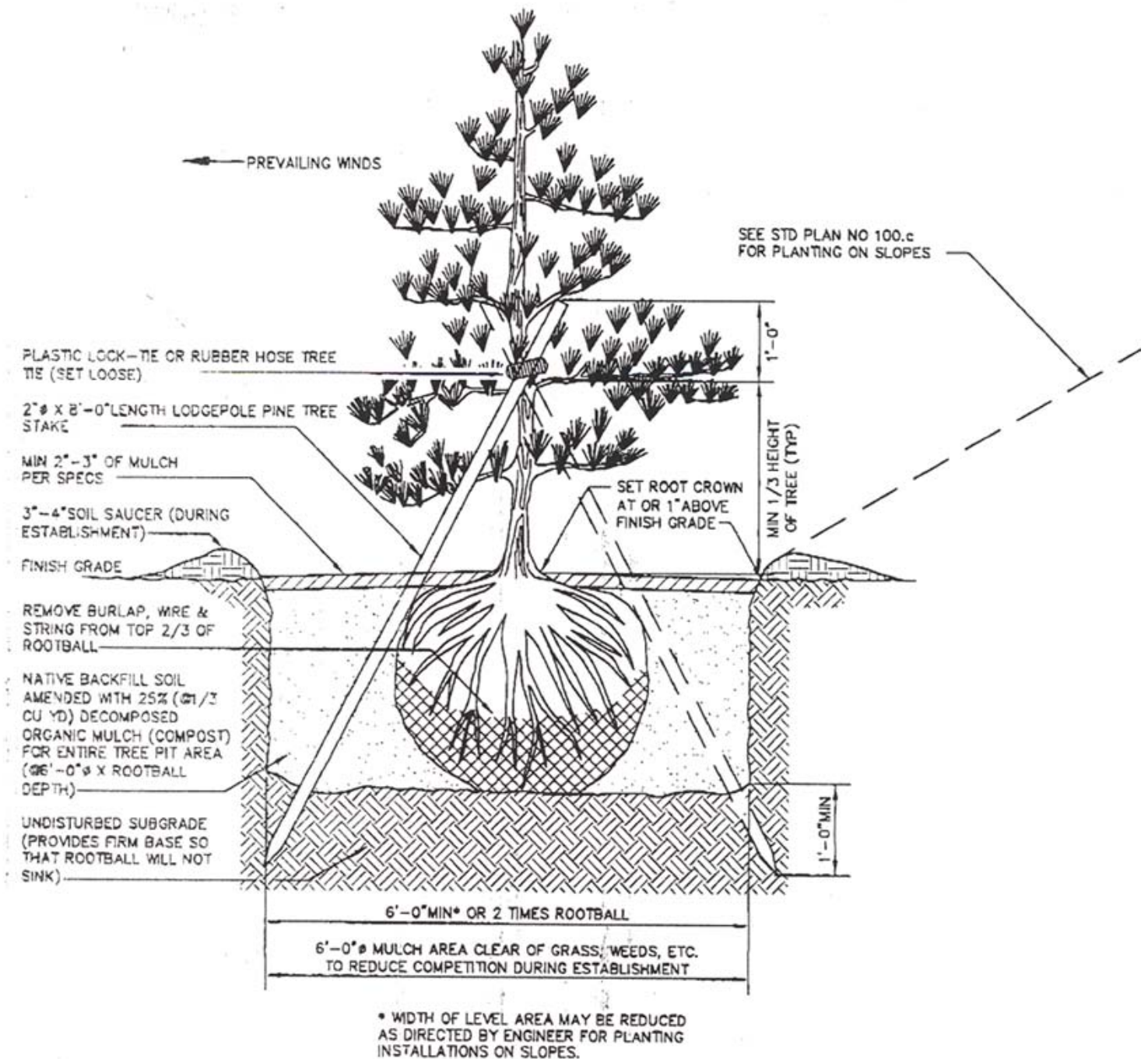
3

MULTI-STEM TREE PLANTING/STAKING

NO SCALE

(UP TO 10' HEIGHT)





REF STD SPEC SEC 8-02

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CONIFEROUS TREE PLANTING

NOTES:

1. INSTALLATION INCLUDES REMOVAL OF ROOTCROWN SUCKERS AT THE TIME OF PLANTING
2. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
3. 5'-0" MIN CLEARANCE FROM WATER SERVICES, HYDRANTS AND BLOW OFFS

* OMISSION OF STAKING OR REDUCED STAKE LENGTH/ REDUCED TREE TIE WIDTH MAY BE ALLOWED WHEN APPROVED BY THE ENGINEER.

STAKE TREE WITH (2) TREATED 2"Ø LODGEPOLE PINE DOWELED TREE STAKES (8'-0" LENGTH*)

CHAINLOCK OR EQUAL TREE TIE MATERIAL (1" WIDTH*) NAIL OR STAPLE TREE TIE MATERIAL TO STAKE TO HOLD VERTICALLY

2"-3" MULCH DEPTH (TAPERED AT TRUNK)

MULCH TREE PIT MIN 5'-0" LENGTH X FULL PLANTING STRIP WIDTH BETWEEN CURB AND SIDEWALK (FOR PLANTING STRIPS LESS THAN 6'-0" WIDE.) PROVIDE 5'-0"Ø MULCH RING FOR PLANTING STRIPS WIDER THAN 6'-0"

SIDEWALK

UNLESS OTHERWISE DIRECTED, LOCATE TREE MIN 3'-6" FROM FACE OF CURB & 2'-0" FROM SIDEWALK EDGE & CENTER TREES IN PLANTING STRIPS WIDER THAN 6'-0"

5'-0" MIN CLEARANCE FROM WATER SERVICES, HYDRANTS AND BLOW OFFS

—SET TOP OF ROOT CROWN 2" ABOVE ADJACENT CURB & SIDEWALK GRADE

ROUGHEN SIDES OF PLANTING HOLE MAXIMIZE EXCAVATED AREA WITHOUT UNDERMINING ADJACENT PAVING/CURB

REMOVE BURLAP, WIRE & STRING FROM TOP 2/3 OF ROOTBALL

NATIVE BACKFILL SOIL AMENDED WITH 25% (1/3 CU YD) DECOMPOSED ORGANIC MULCH (COMPOST) FOR ENTIRE TREE PIT AREA (65'-0" X 5'-0" X ROOTBALL DEPTH)

UNDISTURBED SUBGRADE (PROVIDES FIRM BASE SO THAT ROOTBALL WILL NOT SINK)

TREE PIT DEPTH= ROOTBALL DEPTH (MEASURE BEFORE DIGGING TO AVOID OVEREXCAVATION)

DRIVE STAKES 6" TO 1'-0" INTO UNDISTURBED SOIL BELOW ROOTBALL

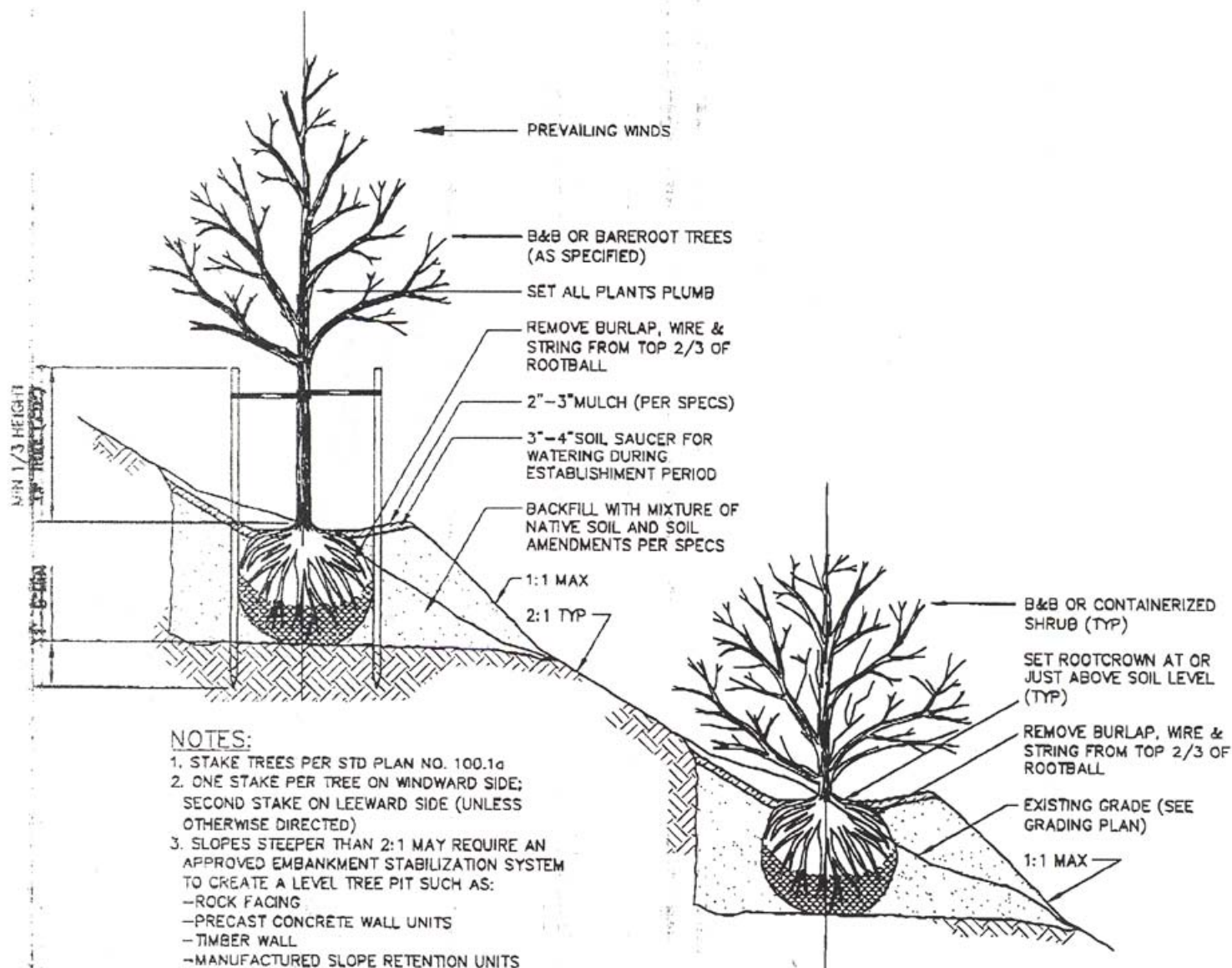
DRIVE STAKE AT ROOTBALL EDGE (TYP)

5'-0" MIN OR MIN WIDTH OF TREE PIT=2 TIMES ROOTBALL (WHICHEVER IS GREATER)

MULCH AREA CLEAR OF GRASS, WEEDS, ETC. TO REDUCE COMPETITION WITH TREE ROOTS

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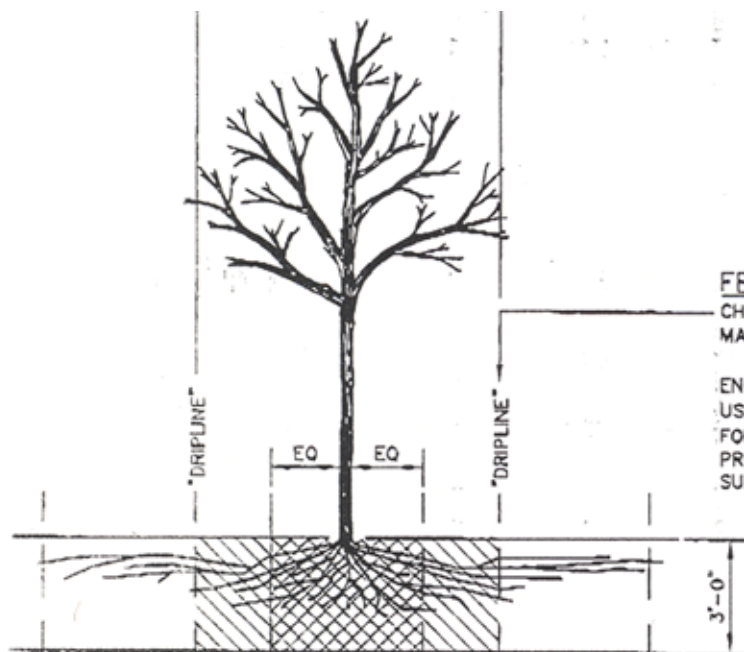
DECIDUOUS TREE PLANTING
IN PLANTING STRIP



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TREE & SHRUB PLANTING
ON SLOPES

	TREES IN PLANTING STRIPS	TREES IN TREE PITS
ROOT PROTECTION	<p>ALL NON-PAVED PLANTING STRIP SURFACES SUBJECT TO IMPACT (COMPACTION) BY CONSTRUCTION ACTIVITY SHALL BE PROTECTED WITH 6"-8" MULCH LAYER OR 3/4" PLYWOOD PANELS OR EQUAL AS AUTHORIZED BY SPU [1-07.16(2)]</p> <p>PROVIDE WOOD PLANKING OR STEEL PANELS UNDER BACKHOE STABILIZERS PLACED ANYWHERE IN THE PLANTING STRIP [1-07.16(2)]</p> <p>NO STORAGE OF MATERIALS OR EQUIPMENT IN THE PLANTING STRIP SHALL BE ALLOWED WITHOUT PROPER SURFACE PROTECTION AND SPECIFIC AUTHORIZATION FROM THE ENGINEER [1-07.16(2)]</p>	<p>RETAIN EXISTING PAVING DURING CONSTRUCTION [REF STD SPEC SEC 1-07.16(2)]</p> <p>SCHEDULE PAVEMENT REPLACEMENT TO MINIMIZE EXPOSURE OF SURFACE ROOTS TO DRYING, EQUIPMENT DAMAGE, COMPACTION, ETC. EXPOSURE FOR LONGER THAN 48 HOURS REQUIRES MULCH APPLICATION PER THE DIRECTION OF THE ENGINEER [1-07.16(2)]</p>
CANOPY PROTECTION	OVERHEAD BRANCHING LIKELY TO BE DAMAGED BY EQUIPMENT OPERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WITH PREVENTIVE MEASURES (PRUNING OR TIE-BACK OF BRANCHES) APPROVED BY THE ENGINEER AND PROPERLY EXECUTED BEFORE COMMENCEMENT OF THE WORK [1-07.16(2)]	
TRUNK PROTECTION	PROVIDE CHAIN LINK CONSTRUCTION FENCE IN INDIVIDUAL (5'-0"X5'-0"X 6'-0"MIN) FENCE INSTALLATIONS FOR EACH TREE OR THE LENGTH OF THE PLANTING STRIP. PROVIDE TRUNK WRAP WHEN REQUIRED [1-07.16(2)]	PROVIDE 5'-0"MIN HEIGHT FENCE INSTALLATIONS FOR EACH TREE TO ENCLOSE ENTIRE TREE PIT OPENING. PROVIDE TRUNK WRAP WHEN REQUIRED [1-07.16(2)]
SIDEWALK RECONSTRUCTION	<p>ROOT PRUNE <u>ONLY</u> AS DIRECTED BY THE ENGINEER [8-02.3(23)]</p> <p>UNLESS OTHERWISE DIRECTED, MAINTAIN 2'-0"MIN CLEARANCE FROM FLARE OF TRUNK WHEN SETTING FORMS.</p>	<p>PROVIDE 5'-0"X5'-0" OR 4'-0"X6'-0" (24 SQ FT MIN) TREE PITS IN NEW SIDEWALK FOR NEW TREES. TREE PIT SIZE FOR EXISTING TREES SHALL BE AS DIRECTED BY THE ENGINEER. ELONGATED (8'-0" TO 12'-0"+) PITS MAY BE REQUIRED TO MINIMIZE ROOT IMPACTS WHILE MAINTAINING REQUIRED SIDEWALK WIDTH [SEE STD PLAN NO 131]</p>
TRENCH OR TUNNELING	SEE STD PLAN NO 128 [8-02.3(24)]	
	CITY OF SEATTLE PUBLIC UTILITIES DEPARTMENT	CONSTRUCTION AROUND EXISTING TREES



FENCING/ROOT PROTECTION

CHAIN LINK FENCING TO BE PROVIDED AND MAINTAINED AT DRIPLINE

ENGINEER'S APPROVAL REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION* FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B

ELEVATION

TRENCHING/EXCAVATION

ZONE A (CRITICAL ROOT ZONE)

1. NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
2. SEVERANCE OF ROOTS LARGER THAN 2" DIA REQUIRES ENGINEER'S APPROVAL
3. TUNNELING REQUIRED TO INSTALL LINES 3'-0" BELOW GRADE OR DEEPER

ZONE B (DRIPLINE)

1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEER'S APPROVAL. SURFACE PROTECTION* MEASURES REQUIRED
2. TRENCHING ALLOWED AS FOLLOWS:
 - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED
 - LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A
 - MAINTAIN 2/3 OR MORE OF ZONE B IN UNDISTURBED CONDITION
3. TUNNELING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3'-0"

ZONE C (FEEDER ROOT ZONE)

1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEER'S APPROVAL. SURFACE PROTECTION* MEASURES MAY BE REQUIRED
2. TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS:
 - MINIMIZE TRENCH WIDTH
 - MAINTAIN 2/3 OR MORE OF ZONE C IN UNDISTURBED CONDITION

* SURFACE PROTECTION MEASURES

1. MULCH LAYER, 6"-8" DEPTH
2. 3/4" PLYWOOD
3. STEEL PLATES

